

IN THE CLAIMS:

1. (Currently Amended). A wireless headset with a Bluetooth™ module, comprising:
 a microphone supporting member having a microphone installed therein ~~and a~~
~~connector for connecting the microphone supporting member to a main body of the~~
~~wireless headset;~~

a connector located between in such a manner that the microphone supporting member can
be folded to or unfolded from and the a main body of the wireless headset and coupled
thereto to allow for displacement of the main body and microphone supporting member
relative to one another between a folding and unfolding position;

a sensing device located in the connector for automatically determining whether the
 microphone supporting member and a main body are displaced to one of the folding and
unfolding positions ~~is folded or unfolded;~~ and

a controller connected to the sensing device and the Bluetooth™ module, the
~~controller for connecting, using the Bluetooth™ module, being operative to establish~~ a link
 between the wireless headset and a master terminal registered in the wireless headset if it is
 determined that the microphone supporting member and the main body are displaced to the
unfolding position is unfolded.

2. (Currently Amended). The wireless headset as claimed in claim 1, wherein the
connector attaching the microphone supporting member is attached to the main body of the
 wireless headset ~~in~~ includes a hinge structure housing the sensing device.

3. (Currently Amended). A wireless headset with a Bluetooth™ module, comprising:
 a microphone supporting member having a microphone installed therein and ~~being~~
~~able to be folded to or unfolded from~~ coupled to a main body of the wireless headset;

a hinge structure located between and attached to the main body and microphone
supporting member so that the main body and microphone supporting member are
displaceable relative to one another between a folding and unfolding position;

a sensing device located in the hinge structure for determining whether the unfolding
position microphone supporting member is folded or unfolded; and

a controller connected to the sensing device and the Bluetooth™ module for registering an ID (identification) of the wireless headset in a counterpart terminal through the Bluetooth™ module if the unfolding position ~~it is determined that the microphone supporting member is unfolded.~~

4. (Currently Amended) The wireless headset as claimed in claim 3, wherein the microphone supporting member is attached to the main body of the wireless headset in a~~the~~ hinge structure.

5. (Currently Amended). A Bluetooth™ wireless communication link automatic connection method for a wireless headset comprising a Bluetooth™ module, a microphone supporting member having a microphone installed therein ~~and being able to be folded to or unfolded from a main body of the wireless headset,~~ a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted into the hinge structure for detecting whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

attempting, by the wireless headset, to establish a link between the wireless headset and a master terminal registering therein an ID of the wireless headset, if it is detected that the microphone supporting member is unfolded; and

~~connecting,~~ automatically establishing by the master terminal, the link in response to the link connection attempt by the wireless headset through the Bluetooth™ module.

6. (Currently Amended). A Bluetooth™ wireless communication link automatic connection method for a wireless headset comprising a Bluetooth™ module, a microphone supporting member having a microphone installed therein ~~and being able to be folded to or unfolded from a main body of the wireless headset,~~ a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device mounted in the hinge structure ~~connected to a connector of the microphone supporting member and~~ for sensing whether the microphone supporting

member is folded or unfolded relative to the main body, the method comprising the steps of:

attempting, by the wireless headset, to register an ID of the wireless headset in a counterpart terminal with a Bluetooth™ module, if the microphone supporting member is sensed to be unfolded; and

registering, by the counterpart terminal, the ID of the wireless headset in the counterpart terminal in response to the ID registration attempt by the wireless headset.

7. (Currently Amended). A Bluetooth™ wireless communication link automatic connection method for a wireless headset comprising a Bluetooth™ module, a microphone supporting member having a microphone installed therein ~~and being able to be folded to or unfolded from a main body of the wireless headset~~, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device ~~connected to a connector of the microphone supporting member and~~ mounted in the hinge structure for sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

transmitting a link connection request message from the wireless headset through the Bluetooth™ module to a master terminal registering therein an ID of the wireless headset, if the microphone supporting member is sensed to be unfolded;

transmitting a link connection response message from the master terminal to the wireless headset in response to the link connection request message; and

~~connecting~~ establishing a link between the wireless headset and the master terminal after the wireless headset receives the link connection response message.

8. (Currently Amended). A Bluetooth™ wireless communication link automatic connection method for a wireless headset comprising a Bluetooth™ module, a microphone supporting member having a microphone installed therein ~~and being able to be folded to or unfolded from a main body of the wireless headset~~, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body, and a sensing device electrically connected to ~~a connector of the microphone~~

~~supporting member and located in the hinge structure for~~ and sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

receiving a link connection request message from a master terminal registering therein an ID of the wireless headset; and

transmitting a link connection response message to the master terminal if the microphone supporting member is sensed to be unfolded.

9. (Currently Amended). A Bluetooth™ wireless communication link automatic connection method for a wireless headset comprising a Bluetooth™ module, a microphone supporting member having a microphone installed therein ~~and being folded to or unfolded from a main body of the wireless headset, a hinge structure located between and coupled to the microphone supporting member and a main body of the wireless headset so that the microphone supporting member is able to be folded or unfolded relative to the main body,~~ and a sensing device ~~connected to a connector of the microphone supporting member and mounted in the hinge structure for~~ sensing whether the microphone supporting member is folded or unfolded, the method comprising the steps of:

transmitting an ID message of the wireless headset from the wireless headset to a counterpart Bluetooth™ wireless communication terminal if the microphone supporting member is sensed to be unfolded; and

registering, by the counterpart Bluetooth™ wireless communication terminal, an ID of the wireless headset in the counterpart Bluetooth™ wireless communication terminal in response to the ID message and transmitting an ID registration completion message to the wireless headset.

10. (Original) The method as claimed in claim 9, further comprising the steps of:

transmitting a link connection request message from the wireless headset to the counterpart Bluetooth™ wireless communication terminal; and

connecting a link between the wireless headset and the counterpart Bluetooth™ wireless communication terminal by transmitting a link connection response message from the counterpart Bluetooth™ wireless communication terminal to the wireless headset in response to the link connection request message.

11. (Currently Amended). A wireless headset for local wireless master/slave communication, comprising:

a microphone supporting member having a microphone installed therein ~~and a connector for connecting the microphone supporting member to a main body of the wireless headset;~~

a hinge structure located between and attached to the main body and microphone supporting member so that the main body and microphone supporting member are displaceable relative to one another between a folding and unfolding position in such a manner that the microphone supporting member can be folded to or unfolded from the main body of the wireless headset;

a sensing device mounted in the hinge structure for determining whether the microphone supporting member and the main body are in the folded or unfolded positions ~~is folded or unfolded;~~ and

a controller connected to the sensing device, for connecting a link between the wireless headset and a master terminal registered in the wireless headset if it is determined that the microphone supporting member and the main body are in the is unfolded position.